SM HIR50A533

Waimanalo Gulch Sanitary Landfill
92-460 Farrington Highway
Kapolei, Hawaii 96707
808-668-2985

2015 SEP 8 10:30AM

September 2, 2015

Ms. Kris Poentis, Engineering Section
State Department of Health
Environmental Management Division
Clean Water Branch
919 Ala Moana Boulevard, #300
Honolulu, HI 96801-3378

Subject: **Waimanalo Gulch Sanitary Landfill, Kapolei, Oahu, Hawaii**
File No. HI R50A533

Dear Ms. Poentis:

Per Hawaii Administrative Rules (HAR) Chapter 11-55, Appendix B, this letter serves as written notification to the State Department of Health (DOH) Clean Water Branch (CWB) of a recent potential exceedance of storm water discharge limitations as stated in the Waimanalo Gulch Sanitary Landfill (WGSL) Notice of General Permit Coverage (NGPC), dated August 30, 2010 and renewed on December 9, 2013.

The potential exceedance is listed in the table below, along with the corresponding discharge limitation per the NGPC:

Table 1: WGSL Storm Water Sampling Exceedances

Sample Date	Sampling Point	Parameter	Result	Effluent Limitation
September 1, 2015	DB01-E	pH	8.80 - 8.96	5.5 – 8.0

Discharge from the site was primarily impounded storm water from rainfall events during the week of August 21 through 25, 2015. In the early morning of September 1, 2015 (more than 72 hours from the last rainfall event with precipitation greater than 0.1 inches) another small rainfall occurred (< 1.0 inch). This sampling event occurred in the afternoon of September 1. Analytical grab and composite samples were collected from the water slowly discharging over the concrete weir at the point of compliance (DB01-E). At the time of the event, the discharge averaged 0.02 ft^3/sec. The pH field measurements ranged from 8.80 to 8.96 during collection of the sample aliquots. The Storm Water Sampling Form is attached for your information.

A representative of Waste Management of Hawaii (WMH) made a notification of the potential exceedance to the CWB on September 1, 2015.

Sample appearance was slightly turbid, but had no odor, scum, oil sheen, or floating debris. No direct cause for the pH exceedance could be identified. It is suspected that naturally occurring background ion levels in surrounding soils is the primary source of the elevated pH values.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you should have any questions or require additional information, please contact me at (808) 668-2985.

Very truly yours,

Brian Bowen
District Manager
Waimanalo Gulch Sanitary Landfill

Attachment: Storm Water Sampling Form

cc: Wayne Hamada – City and County of Honolulu
Eddie Pettit – Waste Management
Mark Hofferbert – AECOM

Storm Water Sampling Form
Waimanalo Gulch Sanitary Landfill
Storm Water Pollution Control Plan

Sampling Location: DB01-E	Date: 9/1/15
	Project Number: 60338427.05.07
Sampling Personnel: JF, KL	
Weather Conditions: Sunny	
Start date/time of the storm event: 9/1/15 Early morning	End date/time of the storm event: 9/1/15 Early Morning
Duration since previous rainfall greater than 0.1 inches: >72 hrs, per WMH	
Observations/Comments: about 1/4" of water (discharge) flow over weir	

Instrument	Manufacturer	Model	Serial No.	Calibration Date and Time
pH Meter	Ecosense	pH101	JC000609	9/1/15 1340

Calibration results: 7.00 @ 7.00

Comments: None

Time at Start of Rain: No rain during arrival to site	Time of First Run-off: Unknown
Sample Collection Method: grab & composite	
Flow-Measurement Method: ruler	
Describe: measure flow over weir	

Sample Appearance: cloudy	Odor: None	Color: light brown
Floating Debris: No	Scum or Foam: No	Oil Sheen: No

SAMPLE NUMBER	TIME SAMPLED	pH	Temp (°C)	FLOW MEASUREMENTS (incl. time)
A	1350	8.80	30.7	1/4" = 0.02 cfs
B	1405	8.90	31.1	1/4" = 0.02 cfs
C	1420	8.87	31.7	1/4" = 0.02 cfs
D	1435	8.86	31.4	1/4" = 0.02 cfs

Comments:

AVERAGE FLOW at DB01-E was 0.02 cfs during the sampling event.